[FIG.1]

AMPLITUDE

AUDIBLE

INAUDIBLE

5   AUDIBLE

AUDIBLE

FREQUENCY

[FIG.2]

10   INPUT SIGNAL

OUTPUT SIGNAL

102 SIGNAL CODING SECTION

101 TRANSMISSION MODE DETERMINING SECTION

103 SIGNAL DECODING SECTION

15   110 TRANSMISSION PATH

153 SIGNAL DECODING SECTION

151 TRANSMISSION MODE DETERMINING SECTION

152 SIGNAL CODING SECTION

OUTPUT SIGNAL

20   INPUT SIGNAL

[FIG.3]

INPUT SIGNAL

301 MASKING LEVEL CALCULATION SECTION

25   302 TRANSMISSION MODE DECISION SECTION

TRANSMISSION MODE INFORMATION

[FIG.4]

INPUT SIGNAL

TRANSMISSION MODE INFORMATION

401 TRANSMISSION BIT RATE CONTROL SECTION

5   406 BASE LAYER CODING SECTION

407 BASE LAYER DECODING SECTION

409 FIRST ENHANCEMENT LAYER CODING SECTION

410 FIRST ENHANCEMENT LAYER DECODING SECTION

412 SECOND ENHANCEMENT LAYER CODING SECTION

10   413 CODED INFORMATION INTEGRATION SECTION

CODED INFORMATION

[FIG.5]

INPUT SIGNAL

15   501 PRE-PROCESSING SECTION

506 ADAPTIVE EXCITATION CODEBOOK

507 QUANTIZATION GAIN GENERATION SECTION

508 FIXED EXCITATION CODEBOOK

513 PARAMETER DETERMINING SECTION

20   502 LPC ANALYSIS SECTION

503 LPC QUANTIZATION SECTION

504 SYNTHESIS FILTER

512 AUDITORY WEIGHTING SECTION

514 MULTIPLEXING SECTION

25   BASE LAYER CODED INFORMATION

[FIG.6]

BASE LAYER INFORMATION SOURCE CODE

601 DEMULTIPLEXING SECTION

605 ADAPTIVE EXCITATION CODEBOOK

606 QUANTIZATION GAIN GENERATION SECTION

5   607 FIXED EXCITATION CODEBOOK

602 LPC DECODING SECTION

603 SYNTHESIS FILTER

604 POST-PROCESSING SECTION

BASE LAYER DECODED INFORMATION

10

[FIG.7]

CODED INFORMATION

701 TRANSMISSION BIT RATE CONTROL SECTION

702 BASE LAYER DECODING SECTION

15   703 FIRST ENHANCEMENT LAYER DECODING SECTION

704 SECOND ENHANCEMENT LAYER DECODING SECTION

OUTPUT SIGNAL

[FIG.8]

20   INPUT SIGNAL

TRANSMISSION MODE INFORMATION

801 TRANSMISSION BIT RATE CONTROL SECTION

804 SIGNAL CODING SECTION

805 SIGNAL CODING SECTION

25   806 SIGNAL CODING SECTION

807 CODED INFORMATION INTEGRATION SECTION

CODED INFORMATION

[FIG.9]

CODED INFORMATION

901 TRANSMISSION BIT RATE CONTROL SECTION

5   904 SIGNAL DECODING SECTION

905 SIGNAL DECODING SECTION

906 SIGNAL DECODING SECTION

OUTPUT SIGNAL

10   [FIG.10]

INPUT SIGNAL

OUTPUT SIGNAL

102 SIGNAL CODING SECTION

1001 TRANSMISSION MODE DETERMINING SECTION

15   103 SIGNAL DECODING SECTION

110 TRANSMISSION PATH

153 SIGNAL DECODING SECTION

1051 TRANSMISSION MODE DETERMINING SECTION

152 SIGNAL CODING SECTION

20   OUTPUT SIGNAL

INPUT SIGNAL

[FIG.11]

INPUT SIGNAL

25   1101 MASKING LEVEL CALCULATION SECTION

1102 TRANSMISSION MODE DECISION SECTION

FIRST TRANSMISSION MODE INFORMATION

SECOND TRANSMISSION MODE INFORMATION

THIRD TRANSMISSION MODE INFORMATION

[FIG.12]

5   INPUT SIGNAL

OUTPUT SIGNAL

1201 TRANSMISSION MODE DETERMINING SECTION

1202 SIGNAL DECODING SECTION

110 TRANSMISSION PATH

10 1251 SIGNAL CODING SECTION

INPUT SIGNAL

[FIG.13]

INPUT SIGNAL

15 OUTPUT SIGNAL

102 SIGNAL CODING SECTION

1301 TRANSMISSION MODE DETERMINING SECTION

103 SIGNAL DECODING SECTION

110 TRANSMISSION PATH

20 153 SIGNAL DECODING SECTION

1351 TRANSMISSION MODE DETERMINING SECTION

152 SIGNAL CODING SECTION

OUTPUT SIGNAL

INPUT SIGNAL

25

[FIG.14]

DECODED SIGNAL

1401 MASKING LEVEL CALCULATION SECTION

1402 TRANSMISSION MODE DECISION SECTION

TRANSMISSION MODE INFORMATION

5   [FIG.15]

INPUT SIGNAL

OUTPUT SIGNAL

102 SIGNAL CODING SECTION

1501 TRANSMISSION MODE DETERMINING SECTION

10   103 SIGNAL DECODING SECTION

110 TRANSMISSION PATH

153 SIGNAL DECODING SECTION

1551 TRANSMISSION MODE DETERMINING SECTION

152 SIGNAL CODING SECTION

15   OUTPUT SIGNAL

INPUT SIGNAL

[FIG.16]

INPUT SIGNAL

20   DECODED SIGNAL

1601 MASKING LEVEL CALCULATION SECTION

1602 TRANSMISSION MODE DECISION SECTION

TRANSMISSION MODE INFORMATION

25   [FIG.17]

INITIAL TRANSMISSION MODE INFORMATION

INPUT SIGNAL

OUTPUT SIGNAL

1702 SIGNAL CODING SECTION

1701 TRANSMISSION MODE DETERMINING SECTION

103 SIGNAL DECODING SECTION

5   110 TRANSMISSION PATH

1730 RELAY STATION

110 TRANSMISSION PATH

153 SIGNAL DECODING SECTION

1751 TRANSMISSION MODE DETERMINING SECTION

10 1752 SIGNAL CODING SECTION

OUTPUT SIGNAL

INPUT SIGNAL

INITIAL TRANSMISSION MODE INFORMATION

15 [FIG.18]

CODED INFORMATION

1801 INTERFACE SECTION

1802 CODED INFORMATION ANALYSIS SECTION

1803 TRANSMISSION MODE CONVERSION SECTION

20 1804 CODED INFORMATION INTEGRATION SECTION

1805 INTERFACE SECTION

CONVERTED CODED INFORMATION

TRANSMISSION MODE INFORMATION

25 [FIG.19]

CODED INFORMATION/INITIAL TRANSMISSION MODE INFORMATION

TRANSMISSION MODE INFORMATION (COMMUNICATION TERMINAL

APPARATUS 1700)

1801 INTERFACE SECTION

1802 CODED INFORMATION ANALYSIS SECTION

1901 TRANSMISSION MODE CONVERSION SECTION

5   1804 CODED INFORMATION INTEGRATION SECTION

1805 INTERFACE SECTION

CONVERTED CODED INFORMATION

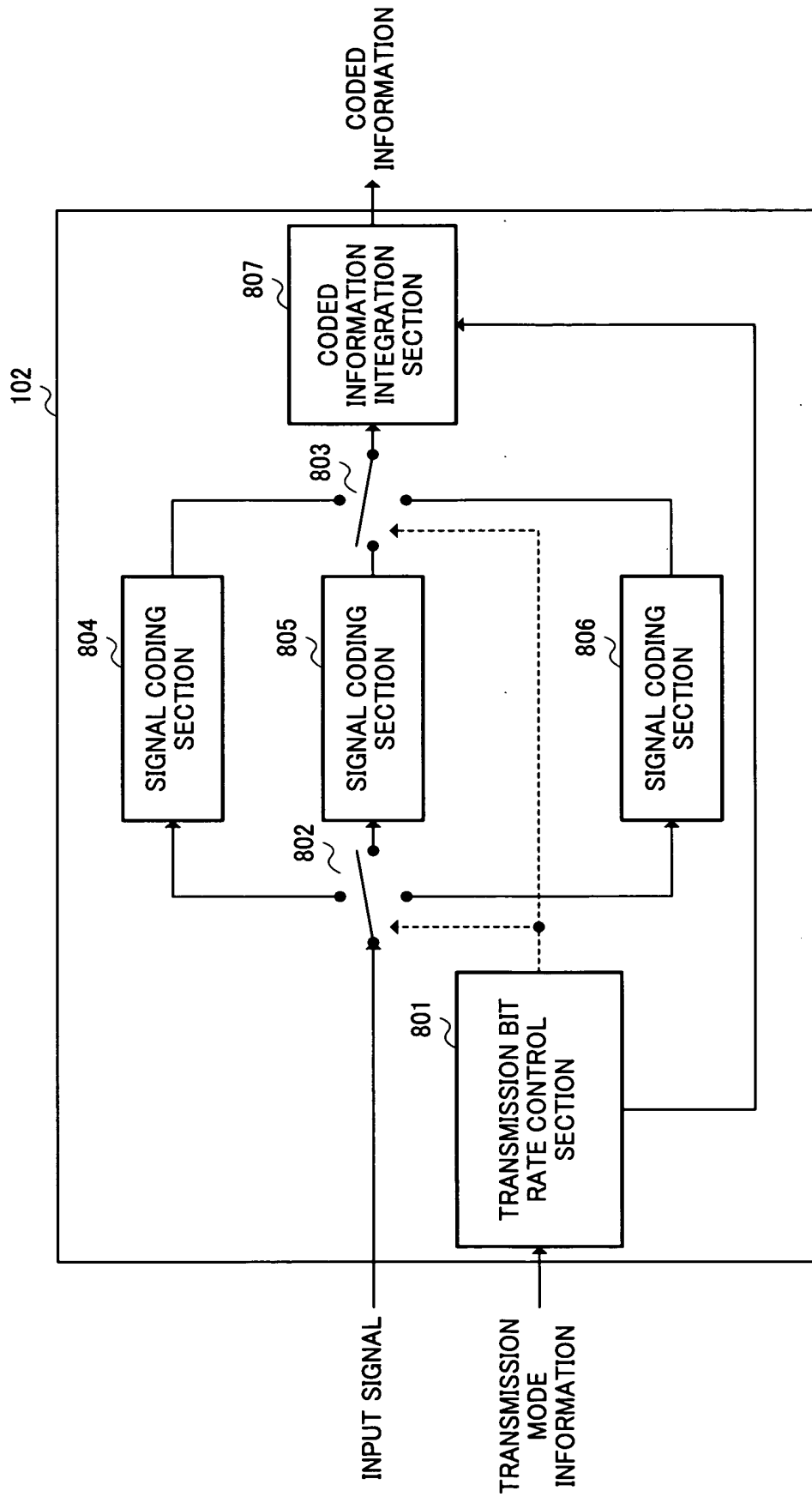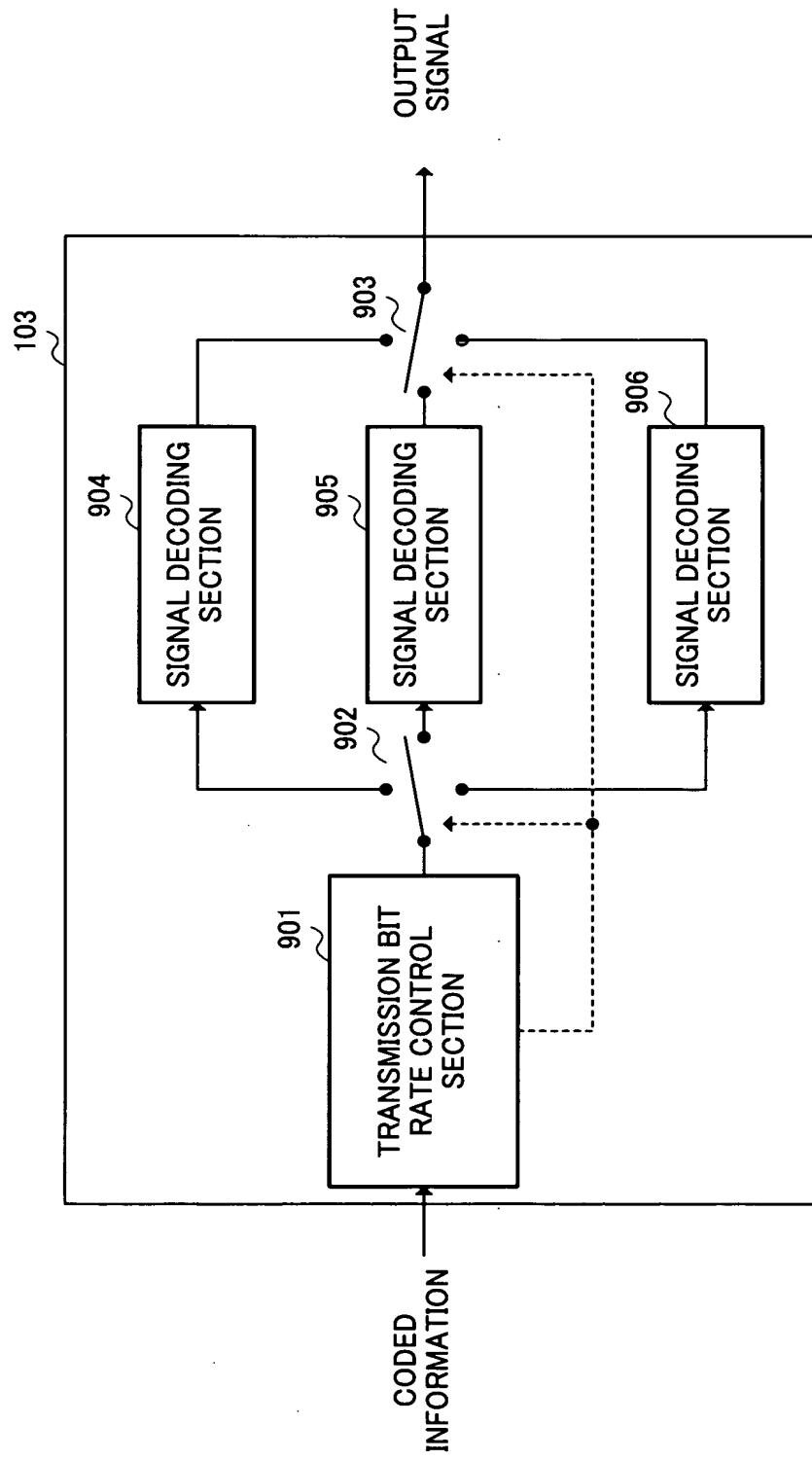TRANSMISSION MODE INFORMATION (COMMUNICATION TERMINAL

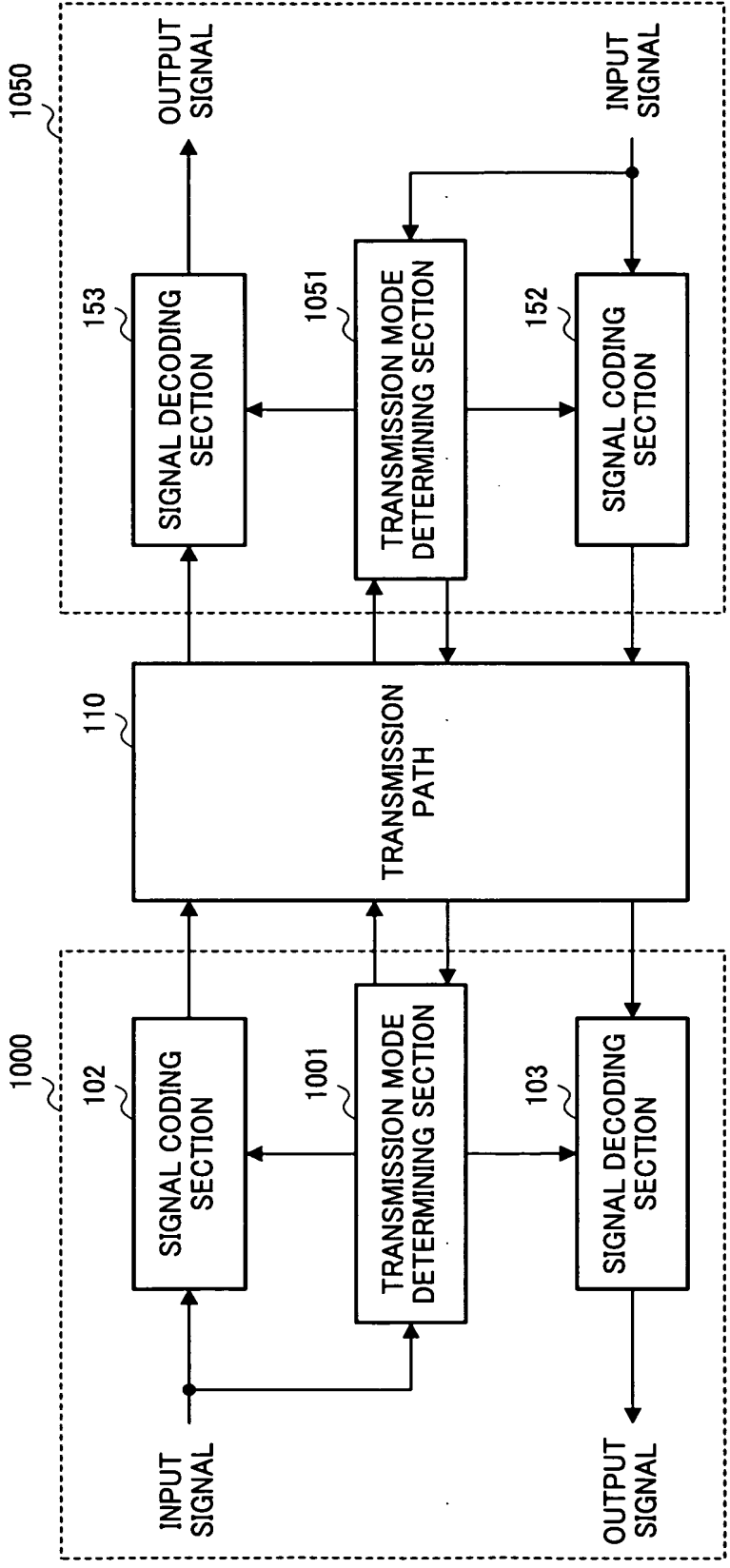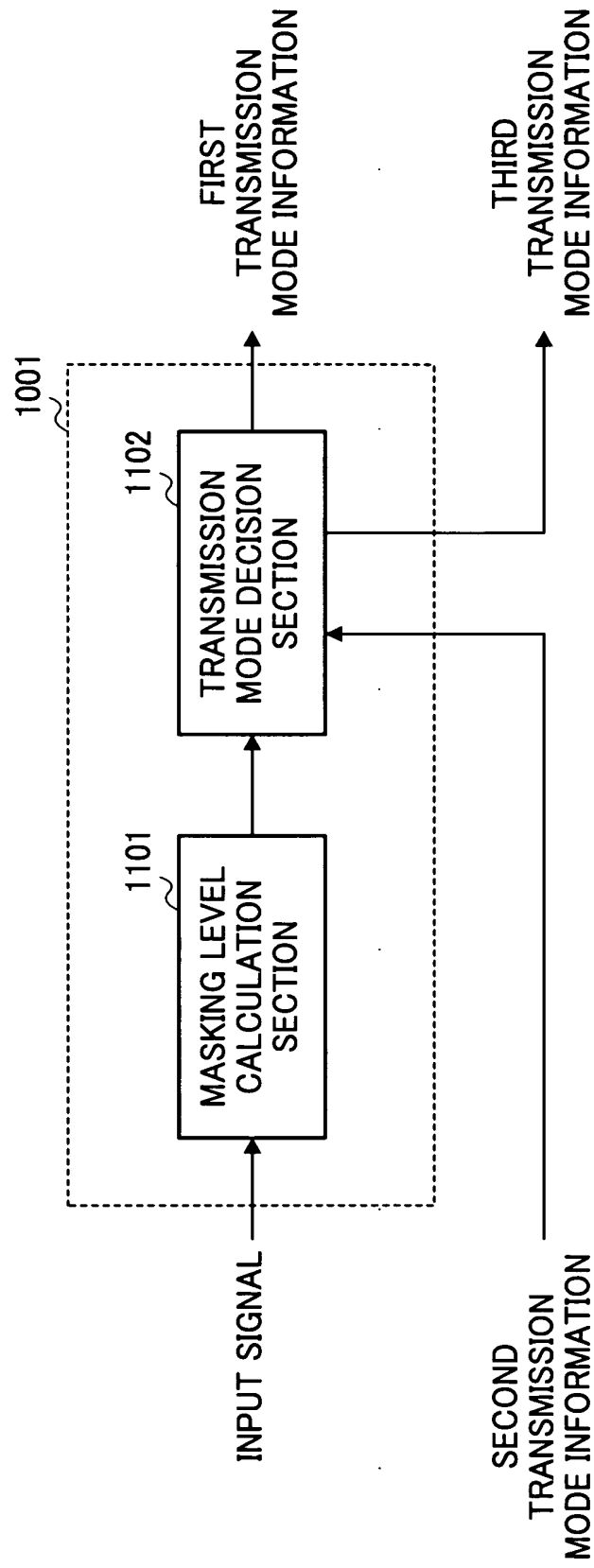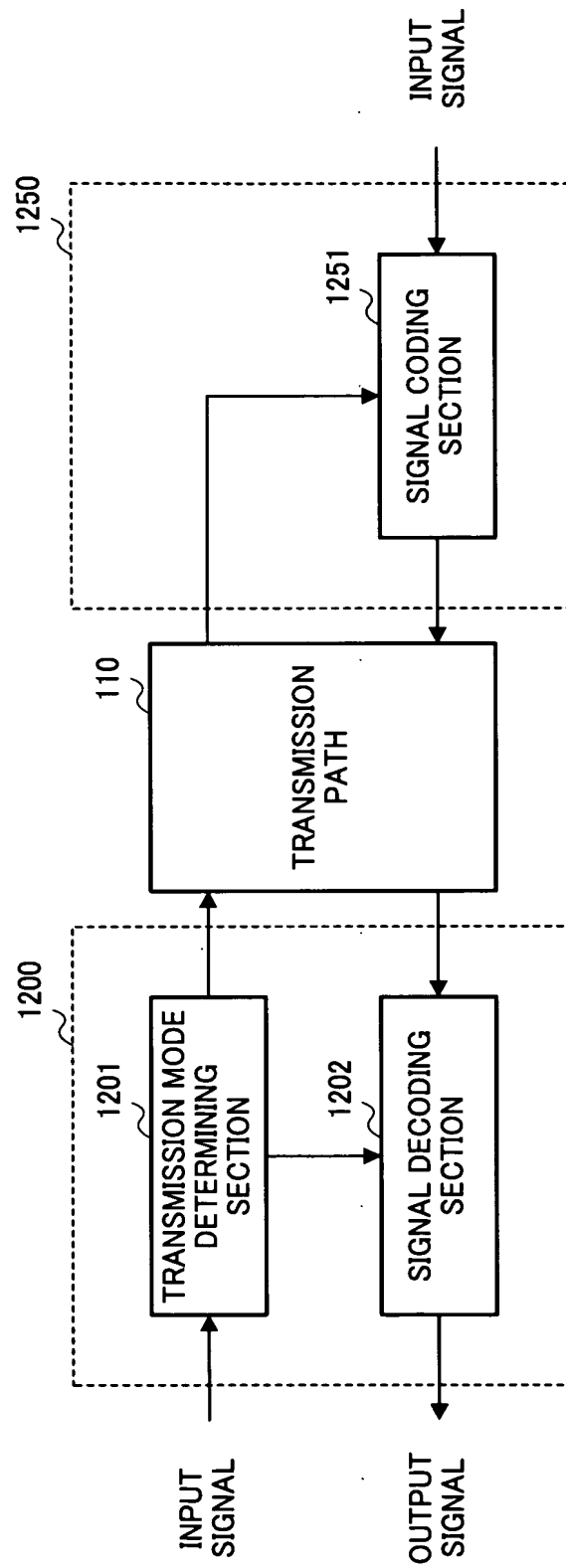APPARATUS 1750)
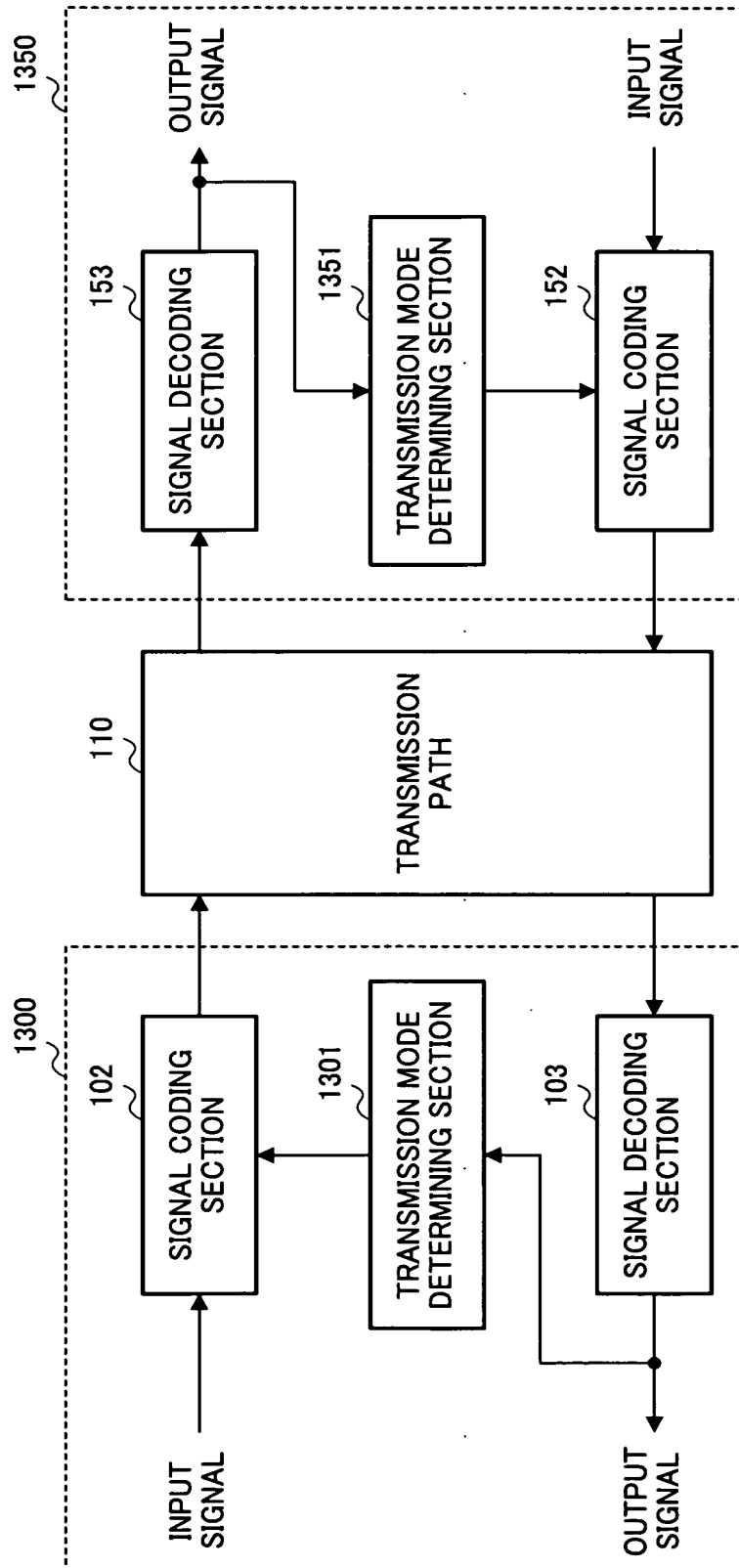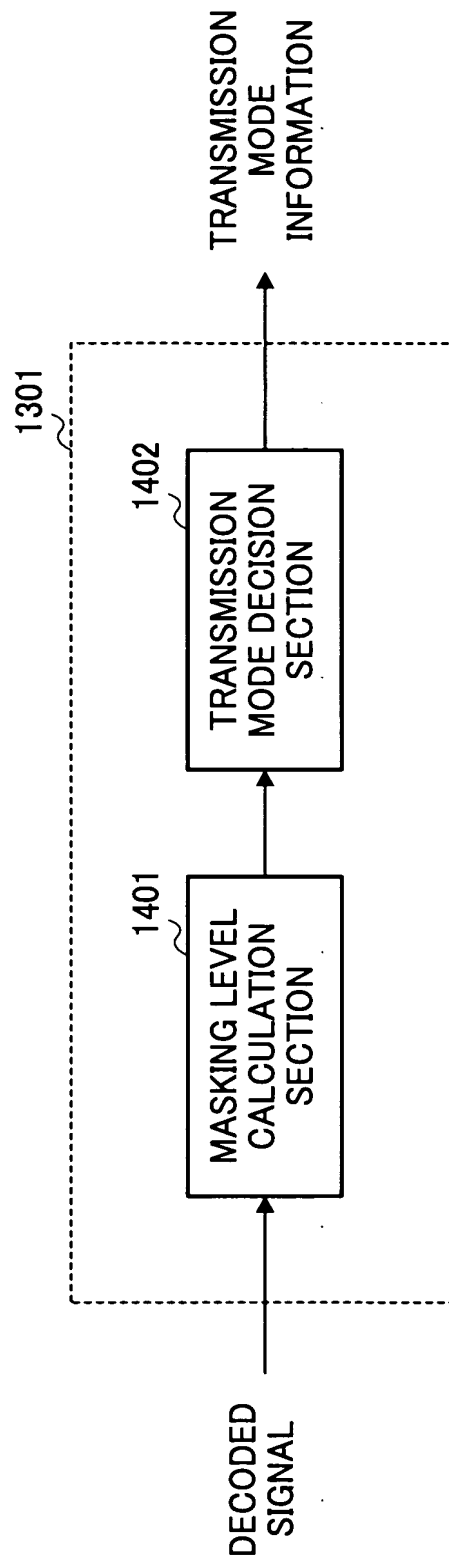
10
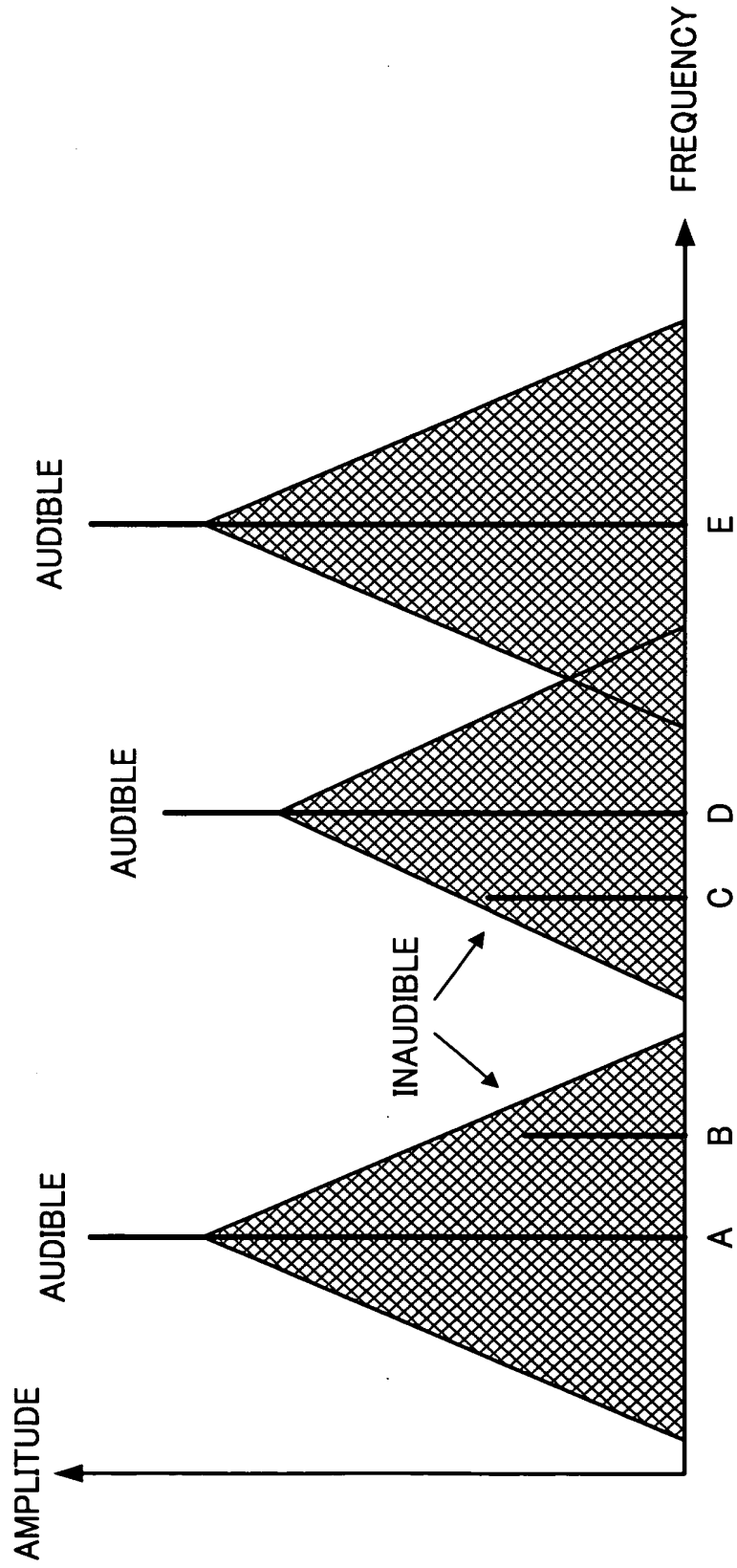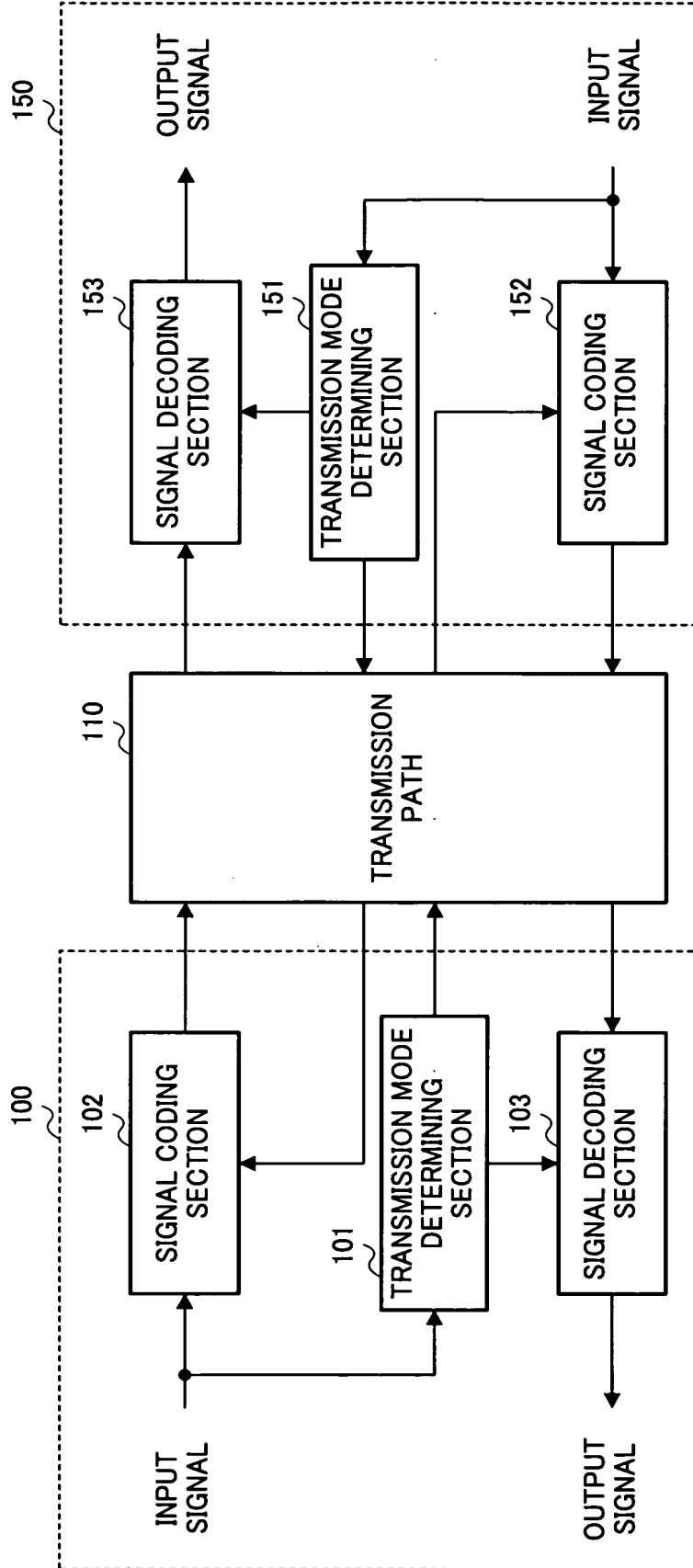
FIG.1

FIG.2
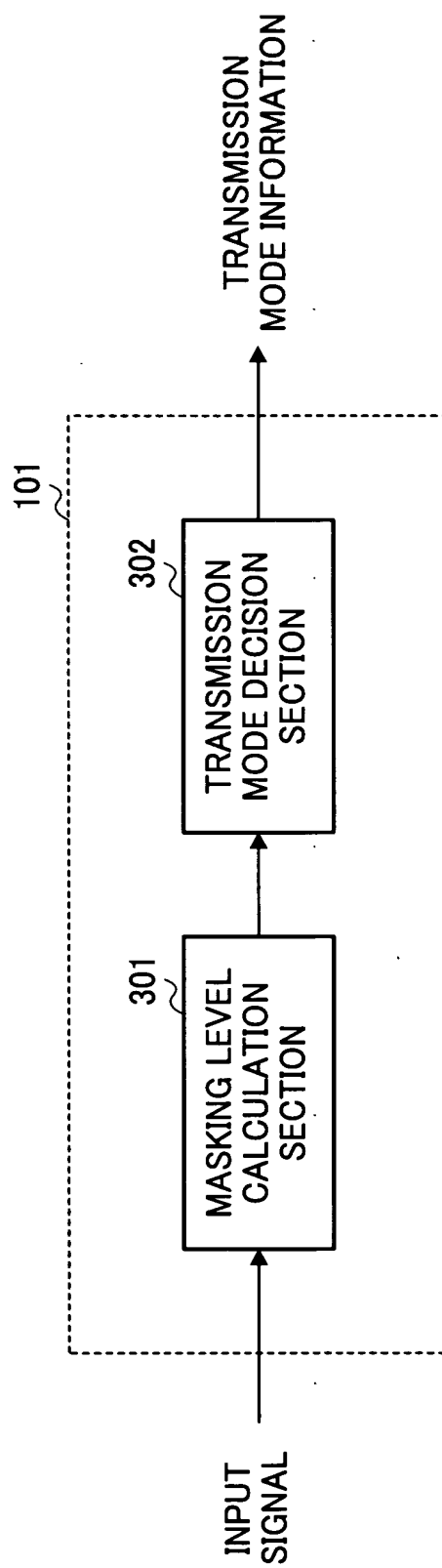
FIG.3
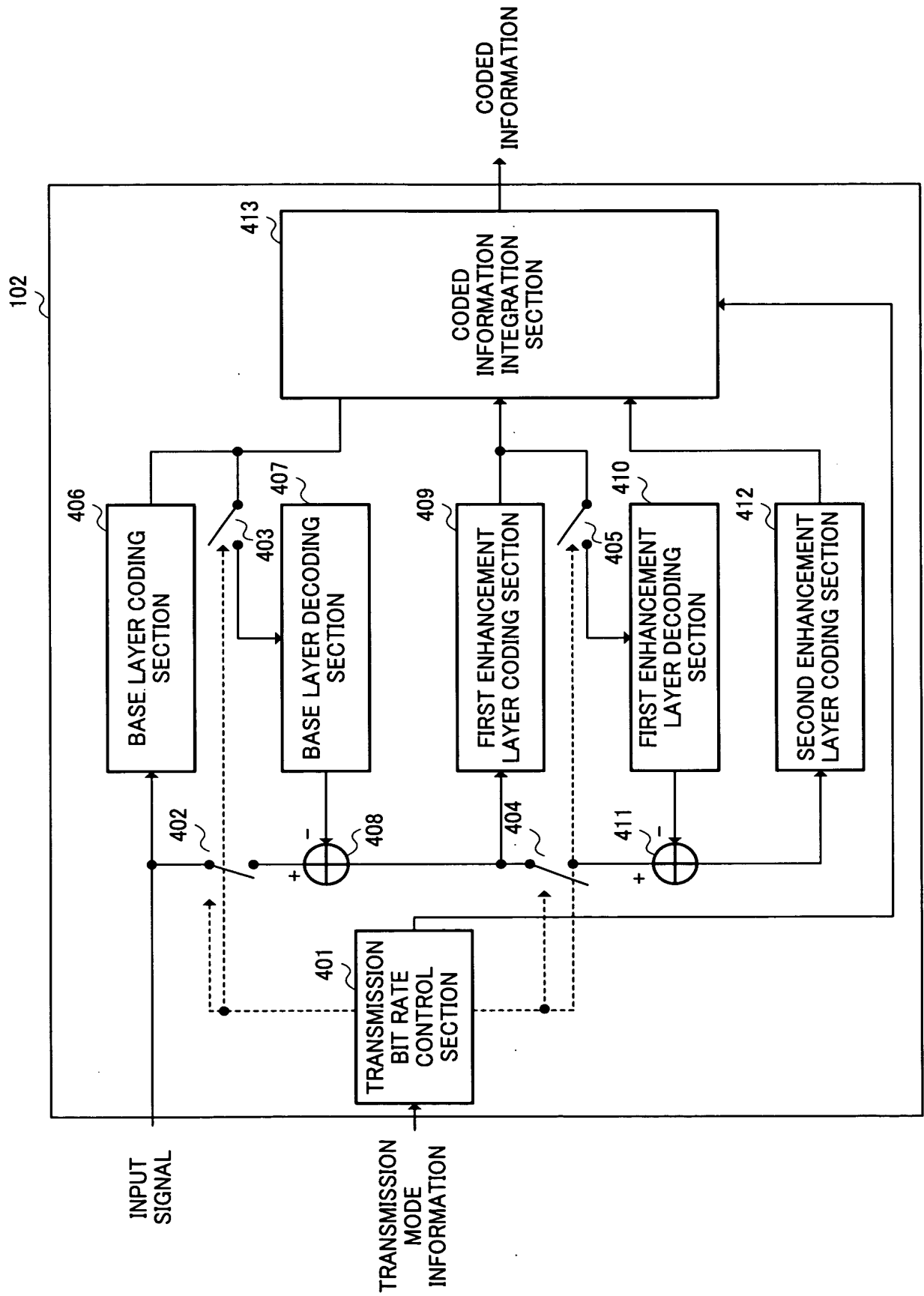
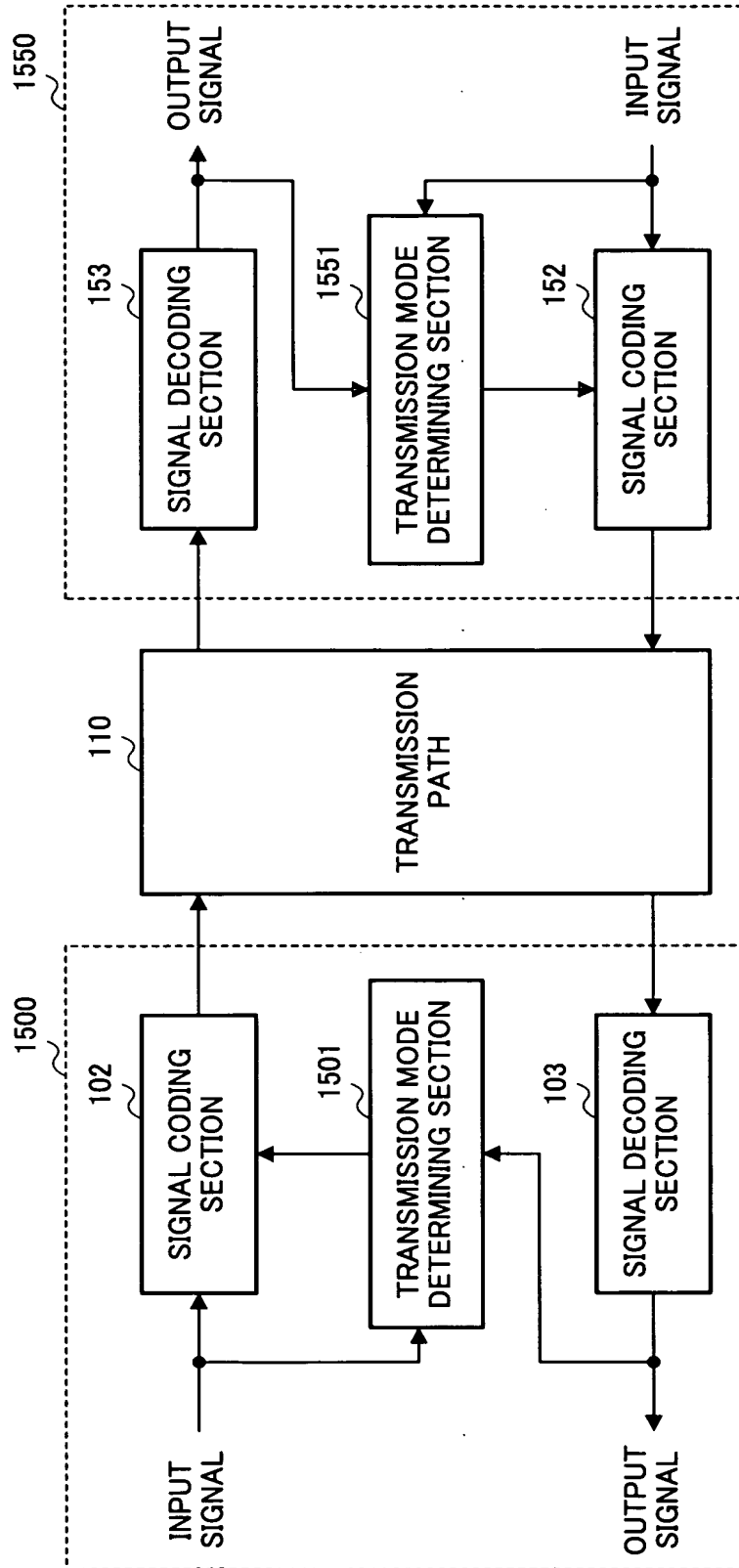FIG.4

FIG.5
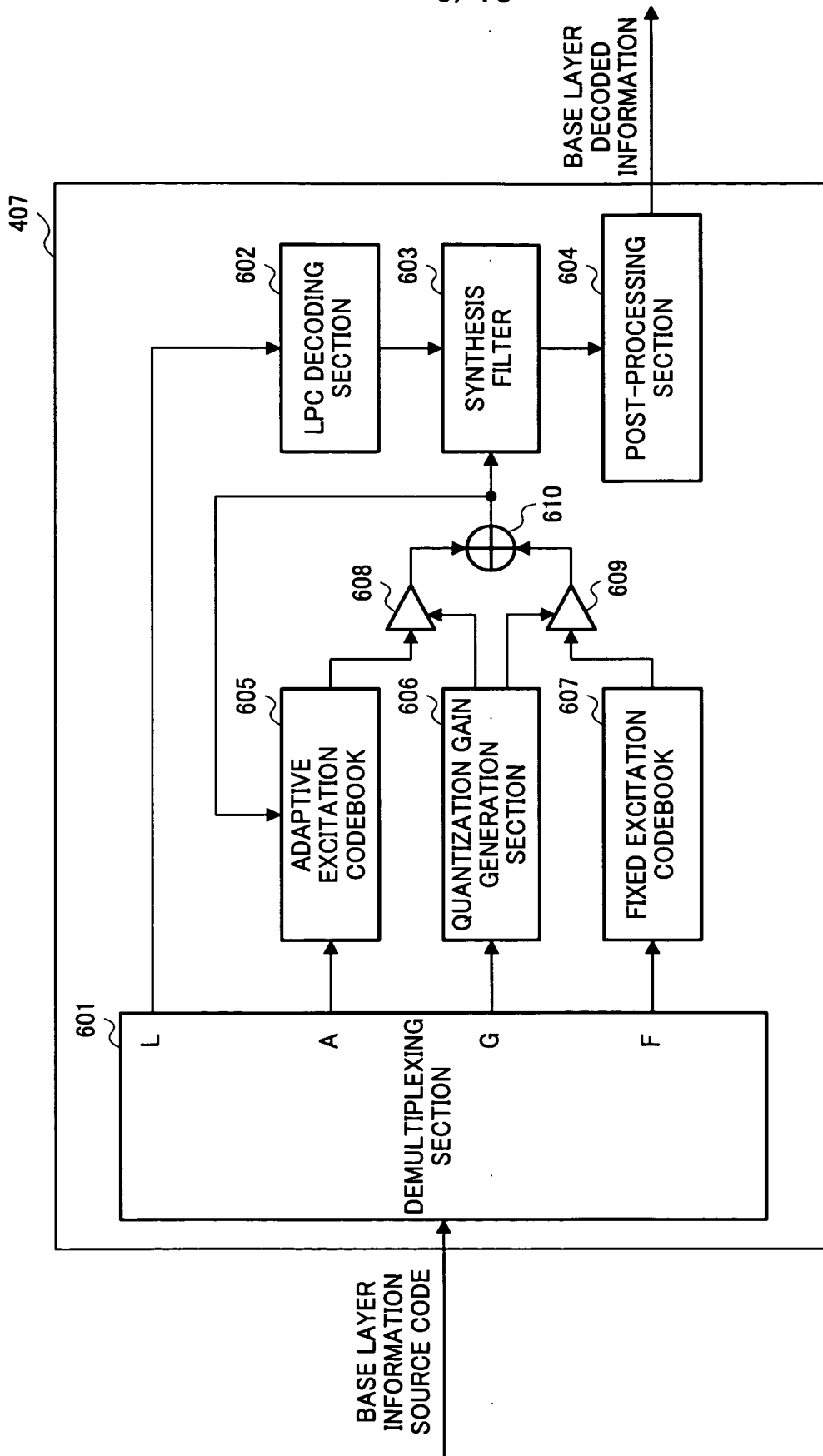
FIG.6
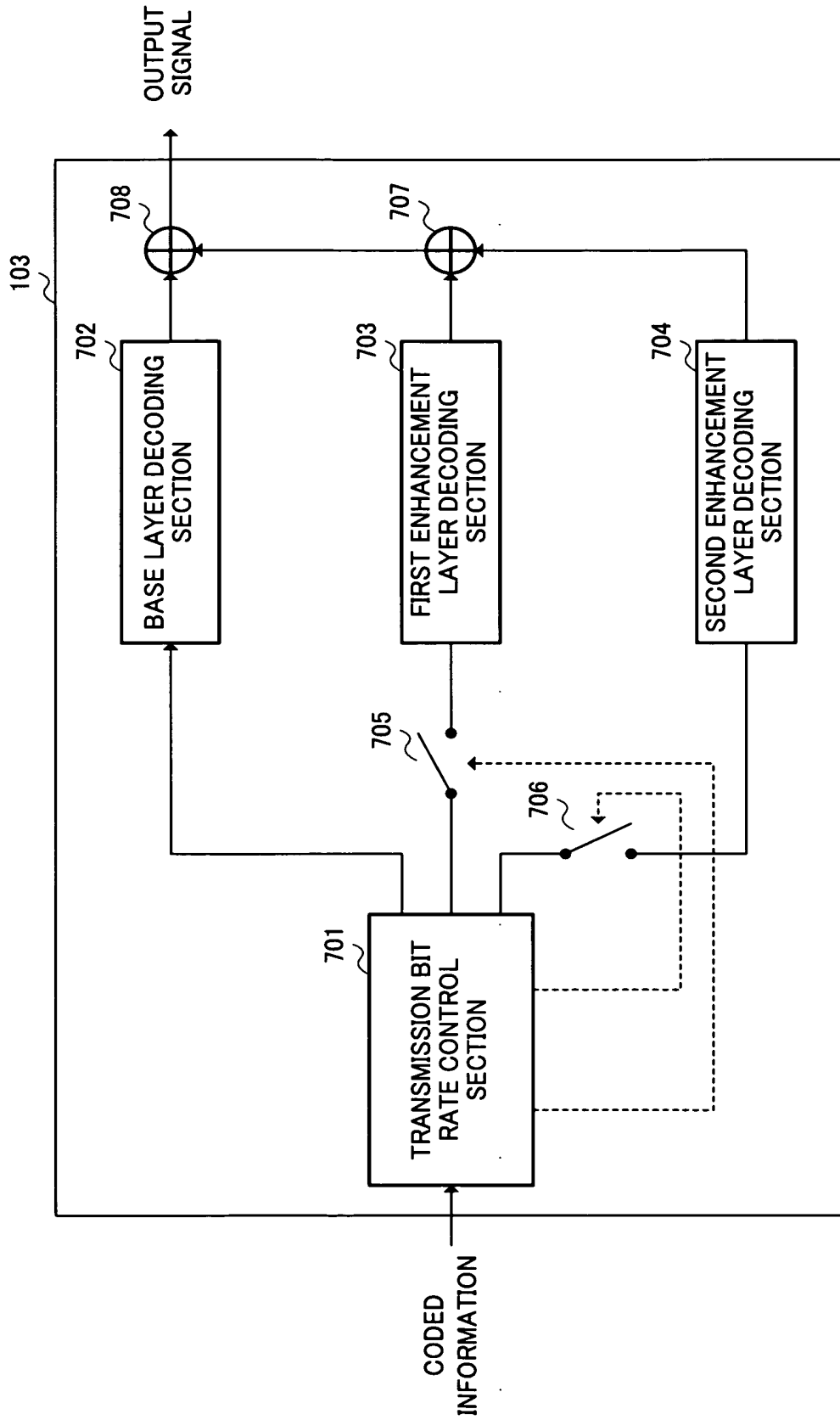
FIG.7

FIG.8

FIG.9

FIG.10

FIG.11

FIG.12

FIG.13

FIG.14

FIG.15
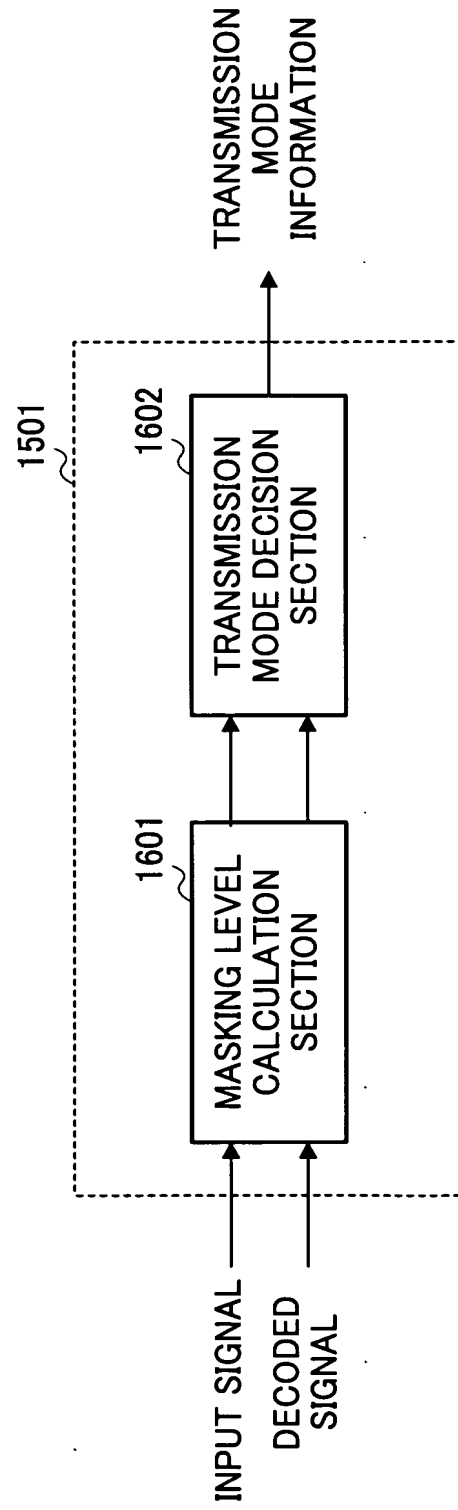
FIG.16

FIG.17

FIG.18

CONVERTED
CODED
INFORMATION

TRANSMISSION
MODE INFORMATION
(COMMUNICATION
TERMINAL APPARATUS 1750)

1730

1805	1804	1901	1802	1801
INTERFACE SECTION	CODED INFORMATION INTEGRATION SECTION	TRANSMISSION MODE CONVERSION SECTION	CODED INFORMATION ANALYSIS SECTION	INTERFACE SECTION

CODED
INFORMATION/INITIAL
TRANSMISSION MODE
INFORMATION

TRANSMISSION MODE
INFORMATION
(COMMUNICATION TERMINAL
APPARATUS 1700)

FIG.19